

**METHOD AND SLIDING CONNECTOR AND CIRCUIT CARD
COMBINATION FOR IMPLEMENTING HOT PLUGGING PROTECTION
FOR REGULATOR, POWER SUPPLIES AND SYSTEM CARD**

Abstract of the Disclosure

- 5 A method and a combination of a hot plug sliding connector and a circuit card are provided for implementing hot plugging protection regulator cards, power supply cards, system cards and the like. A respective isolation circuit is coupled to each voltage input and voltage output of the circuit card to be connected to the hot plug sliding connector. The hot plug sliding
- 10 connector has an elongated slot for slidingly receiving the circuit card along the length of the elongated slot. A plurality of cooperating electrically connecting portions of the connector and circuit card are provided in mating engagement with the circuit card inserted into a final position in the connector. The plurality of cooperating electrically connecting portions are
- 15 spaced apart by a respective predefined null, non-electrically connecting portion arranged to avoid shorting between cooperating electrically connecting portions during the sliding insertion of the circuit card into the hot plug sliding connector.